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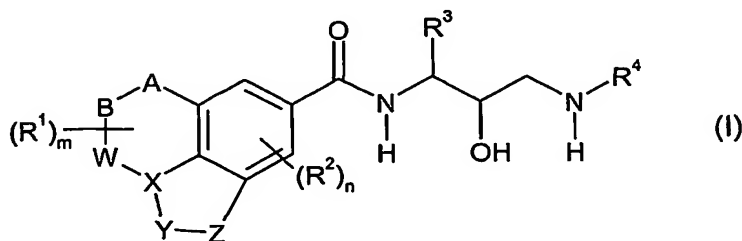
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(54) Title: TRICYCLIC INDOLE HYDROXYETHYLAMINE DERIVATIVES AND THEIR USE IN THE TREATMENT OF ALZHEIMER'S DISEASE



(I)

(57) Abstract: The present invention relates to novel hydroxyethylamine compounds having Asp2 (β -secretase, BACE1 or Memapsin) inhibitory activity of formula (I), processes for their preparation, to compositions containing them and to their use in the treatment of diseases characterised by elevated β -amyloid levels or β -amyloid deposits, particularly Alzheimer's disease. Formula (I) wherein, inter alia, A-B represents $-\text{NR}^5-\text{SO}_2-$ or $-\text{NR}^5-\text{CO}-$; R^5 represents

hydrogen, C_{1-6} alkyl, C_{3-6} alkenyl, C_{3-6} alkynyl, C_{3-10} cycloalkyl, $-\text{C}_{0-6}$ alkylaryl, $-\text{C}_{0-6}$ alkyl-heteroaryl, $-\text{C}_{0-6}$ alkyl-heterocyclyl, $-\text{C}_{3-10}$ cycloalkyl-aryl or $-\text{C}_{3-10}$ cycloalkyl-heteroaryl; W- represents $-\text{CH}_2-$, $-(\text{CH}_2)_2-$, $-(\text{CH}_2)_3-$, $-\text{C}(\text{H})=\text{C}(\text{H})-$ or $-\text{CH}_2-\text{C}(\text{H})=\text{C}(\text{H})-$; X-Y-Z represents $-\text{C}=\text{CR}^8-\text{NR}^9-$;